

CRL/SOMACA BELT SANDER

MODELS 2200RP and AU22

FOR 4" X 106" SANDING BELTS

(starting with Serial No. 67983)



OPERATING INSTRUCTIONS



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CRL Glass Machinery • (866) 583-1377 • Fax (866) 584-9722 Int. Phone: (773) 242-2871
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CRL/SOMACA BELT SANDER

MODEL 2200RP and AU22

INTRODUCTION

Your new CRL/SOMACA Belt Sander was developed and improved through the years until it can now be called the finest piece of equipment available in its price range. The machine incorporates many fine features such as a direct drive, 1 H.P. motor, a gas cylinder-tensioned upper pulley, safety shield, totally sealed ball bearings eliminating weekly lubrication, and a unique, rust-proof, thick-walled HDPE (High Density Polyethylene) water tank.

Like any good machine, it will give best results if it is properly cared for. It is not necessary to pamper this equipment, but reasonable maintenance will increase the machine's life.

We put sealed bearings in our machines because we found that most shops do not take the time to grease the bearings on a routine basis. However, even sealed bearings do sometimes go bad, and should be inspected on a weekly basis for noise or rough spots. Scrubbing the machine occasionally will prevent glass and sludge build-up, and any areas where rust is starting to show should be scraped, primed, and repainted to get the maximum life out of the machine.

The instructions on the following pages will guide you through the initial setup, maintenance, and replacement of parts on your machine. Should you run into any problem or procedure you do not understand, please feel free to call our toll free number (800) 421-6144, and we will be glad to help you. Parts and expert advice can also be obtained directly from the Sommer & Maca Machinery Division at (866) 583-1377. International: (773) 242-2871.

BELT SANDER SET UP

UNCRATING THE MACHINE

Remove the shipping cover and inspect for any damage. If you find any part of your machine has freight damage, save all shipping material and call the delivering carrier immediately. Tell them you want to file a damage claim and have them send out an inspector. If everything is okay, completely remove the shipping crate, including the wooden base.

SETTING UP THE BELT SANDER

1. Position the sander in your desired location. For best results, the sander should be level and secured to the floor with anchors, fastened through the holes provided in the sander base.
2. With the belt sander switch in the OFF position, plug the sander into a 110 volt, single phase, 60 cycle grounded outlet. **NOTE: A ground plug is provided for your safety. PLEASE DO NOT ALTER IT IN ANY WAY.** Now turn the switch on to see if the motor will run. If it does, go to the next step. If it does not run, check all electrical connections and try again. **If you still have a problem, please call us before going any further.**
3. **Unplug the sander before going any further.** Now you can connect the sander to your city water supply, using copper tubing and a 1/4" NPT (National Pipe Thread) male connection to the 1/4" NPT female connection in the electric water valve (Photo 1 on Page 4). Note the "flow direction" marked on the valve with an arrow. Turn the water on and check for leaks. Position a bucket or pan under the drain pipe on the machine, or connect a hose for discharging into a flume or other device to allow sediment to settle and water to drain off. **NOTE: If drained into a sewer, abrasive sand grindings may accumulate and plug the drain.**
4. Plug the machine in again. Be sure the manual water flow control valve (after the electric water valve) has the handle turned in the direction the water is flowing; this is the OPEN position. Turn the switch ON and the water will begin to spray. The spray pattern on the sander is not adjustable. If the spray pattern decreases or changes, remove and clean the spray nozzle. The manual water flow control valve (Photo 1 on Page 4) can be adjusted to reduce the water flow. Do not use any more water than needed to keep the belt wet. Turn the machine OFF. Unplug the sander and go to the next step.
5. Pull the handle to open the side door. Now install a belt over the top and bottom pulley by pulling down on the black handle on the tensioner mechanism. Be sure the belt is not wrapped over the water nozzle.
NOTE: When grinding glass, only "wet or dry" belts with silicon carbide grain should be used. They come with two types of splices: overlapping or butt splices. Butt splices can be run in either direction (such as CRL's finger splice). Overlapping splices can be run only in the direction indicated by arrows on the inside of the belt. The most common way to put lapped spliced belts on a belt sander is to put the belt over the pulleys so you can see the arrow pointing up on the back side of the belt. This will give you the proper rotation.
6. With the sander still unplugged, pull the belt by hand through several cycles to adjust the tracking mechanism. Do this as follows: On the left side of the tensioner assembly (as viewed from the side of the sander) is a black metal, star shaped knob. By turning this knob clockwise you will move the belt to the right. By turning this knob counterclockwise you will move the belt to the left. Turn this knob until you have adjusted the belt so it will stay in the middle of both pulleys when pulling the belt by hand.
7. Now plug the machine back in, turn the switch ON, and perform the fine tracking adjustments. The goal is to have the belt track in the middle of both the upper and lower pulleys. If the contact roller does not match up with the belt at this time, loosen the Square Head Screws in the Platen Bracket and tap the Roller Platen shaft until it aligns even with the belt, then tighten the screws.
8. The belt tension on the 2200RP is not adjustable, and is controlled by the gas cylinder on the tensioner. No adjustment is needed, and the cylinder is available as a replacement part should the tension ever become too weak.

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NOTE: After a year or two of continued machine use, the pulleys will wear and need to be replaced or have a new crown machined in them. This is usually evident when you cannot get the belt to track and pulley adjustment will not correct the tracking. To check this, lay a straight edge across the pulley. A new pulley will have a noticeable hump or crown in the middle of it. A worn-out pulley will be flat or even have a valley in its center. If the pulley is worn, a one degree crown should be remachined into the surface or the pulley should be replaced with a new one.

Precautions:

1. Do not allow hands to come in contact with the belt while it is moving.
2. Be sure safety shield is properly positioned.
3. Do not overload your shop electrical circuits. Be sure wiring is adequate.
4. Be sure your service plug has grounding provisions to be sure the belt sander is grounded at all times.

GENERAL GUIDELINES

USING THE BELT SANDER

The application of the glass and the choice of belt grits are largely a matter of the individual operator's preference, but the following procedures are submitted as a guide for general work.

To obtain a round or pencil edge, use a coarse grit belt and lightly bevel the sharp edges left from cutting by running or swiping glass quickly across the belt. This helps to reduce chipping the glass during succeeding grinding. Draw the glass slowly across the unsupported area of the belt above the platen, and at the same time tilt the glass up and down until the desired contour is obtained. Finish the edge on a smoothing belt and then polish if desired.

For a flat, seamed edge, use a belt of medium grit and lightly bevel the edges as above. Next, grind the entire edge flat by applying the glass squarely to the platen. Change to a finishing or smoothing grit and go over the flat edge again, then seam both sides of the glass by tilting it about 45° and running it across the belt on the platen.

Rough grinding can be done by using abrasive belts in grit sizes 40, 60, 80, and 120. Belts of 150, 180, 220 and 280 grits are for smoothing; grits 320 and 400 for satin finishing; 600 grit and cork belts are for extra high polishing.

LUBRICATION

The only bearings on the sander that require lubrication are the motor bearings. On each end of the motor is a grease fitting for applying lubrication.

Time interval: Every six months. **NOTE: Apply grease sparingly as overly greased bearings can create seal failure and eventually cause bearing failure.**

Type of grease: **CRL Cat.No.WL14** No.2 lithium base grease.
Use **CRL Cat.No.1200** Metal Lube weekly on the front rest roller axles.

HOW TO REMOVE AND REPLACE THE ELECTRIC WATER VALVE

1. **Unplug the machine power supply.**
2. Turn off city water supply to the machine and disconnect the water supply line from the valve (see Photo 1 on Page 4).
3. Disconnect the water line from the valve to the nozzle by pushing up on the quick-connect collar and pulling down on the plastic water line.
4. Open the switchbox and disconnect the two gray wires; one from the switch and one from the taped wire (yellow) connection in the box.
5. On the back of the switch box, rotate the lock ring clockwise (as viewed from the back) with a screwdriver. This will allow the valve to be removed.
6. Unscrew the complete valve assembly from the switchbox. Remove the shut-off valve and quick-connect fitting from the old valve and, using thread sealer, install it into the "OUT" side of the new valve (the "OUT" side is indicated by the small arrow on the side of the valve, see Photo 2 on Page 4).
7. Feed the two gray wires from the new valve into the switchbox and screw the valve onto the fitting. Tighten the lock ring by turning it counterclockwise against the valve. **DO NOT OVERTIGHTEN.**
IMPORTANT: Be sure that the valve is situated as shown in Photo 1 on Page 4, with the arrow on the brass fitting pointing down. The quick-connect fitting should be pointing down. The brass fitting on the valve will rotate 360° to allow it to be set in this position.
8. Connect the nozzle water tube by pushing it into the quick-connect fitting.
9. Inside the switchbox, connect the gray wires; one to the switch and the other to the wired connection with the yellow wire. **Be sure to wrap the wire connection with electrical tape.**
10. Connect the city water supply and replace the cover to the switch box. Plug in the machine power supply.
11. Turn on city water supply. Turn on the machine and check for leaks. Check that there is water spraying from the nozzle.
12. Make sure the nozzle is NOT spraying when the power is shut off, and make a final check for leaks on all connections.

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Remove and Install Motor

NOTE: This is a straight-forward job that requires a basic knowledge of electrical wiring. If you do not feel confident in your ability to connect wires, have a qualified electrician change the motor for you.

1. Unplug the machine, turn off the water supply, and remove the sanding belt.
2. Before removing the bottom pulley, measure the distance from the back side of the pulley to the side of the tank (Photo 4, Page 4). Record this measurement so you can replace the pulley at this same distance. This will help keep the belt alignment to original specs.
3. Loosen two set screws on the pulley with a long 5/32" Hex/Allen wrench. These can be accessed through the two holes in the pulley. Remove the pulley.
4. Disconnect the wiring from the motor by removing four screws and the rectangular cover from the motor electrical junction box.
5. Remove the plastic tape insulation from the wire connections.
6. Disconnect the green ground wire from the green ground screw in the junction box.
7. Disconnect the groups of wires and keep the screws and nuts used to secure the new connections. Make a wiring diagram to show how the wires are connected. For 110V AC connections, the wires are grouped : #1 Blue, #3 Orange, #5 Black together, #2 White, #4 Yellow, #8 Red together. (For **NOTE:** AU versions/240 V AC, wire groups are: #2 White, #3 Orange and #5 Black together, #8 Red, #4 Yellow together, and Blue alone to Brown. See 240V wiring diagram on page 9)
8. There will be three power wires plus a green ground wire coming from the power line in. Mark which motor wire group each one connects to for rewiring.
9. With the power wires disconnected from the motor wiring, the power cable can be disconnected from the junction box.
10. The four bolts holding the motor to the machine can now be loosened.
11. The motor itself weighs about 40 lbs (18 kg). Use a small jack or have a helper hold the motor up while the bolts are loosened. Slowly pull the motor from the machine.
12. Align the new motor with the bolts. Tighten the bolts from inside the tank.
13. The new motor will need to have ring lugs installed on all six wires. If you are not comfortable doing this part of the operation, have a qualified electrician complete the job.
14. Install solderless ring terminals (lugs) on the motor wires, reconnect the power cord to the junction box, and connect the power cord wires as they were previously installed with screws and nuts (see step #7 above). **Tape all connections securely with electrical tape.**
15. Reconnect the green ground wire and replace the junction box cover. Plug in the power cord and check for motor operation. The motor should turn counterclockwise as viewed from the shaft end in the tank.
16. After motor operation is confirmed. UNPLUG the power cord, apply a small amount of light grease to the motor shaft to prevent rust, and replace the lower pulley and the sanding belt. Remember to refer to the "pulley to tank" measurement that was made in step #2. The water supply can now be turned back on.
17. Turn the belt through two complete rotations by hand and check the alignment. Adjust as needed to make the belt track straight on all three wheels.

Remove and Replace Sanding Belt, Upper and Lower Pulleys, and Roller Platen

Always UNPLUG the machine before doing ANY work on it. The sanding belt should be removed before attempting any work on Pulleys or the Roller Platen.

Sanding Belt

The sanding belts are easy to replace. With the belt door on the right side of the machine open, firmly pull down on the black tensioner handle. This will allow the belt to be removed from the top pulley and then from the lower pulley. Belt installation is just as simple. Hold the belt with one hand, gripping the middle, and loop the bottom of the belt around the lower pulley. Make sure that the belt is not between the water spray nozzle and the tank side. Slide one side of the belt over the platen roller and pull down on the tensioner handle. This will allow you to put the top of the belt over the top pulley. Check that the nozzle is not hooked on the belt and pull the belt through two complete rotations to check the tracking.

Lower Pulley

Before removing the lower pulley, measure and record the distance from the back edge of the pulley (closest to the motor) to the side of the tank, as shown in Photo 4 on Page 4. The Lower Pulley is removed by first removing the sanding belt and then removing two set screws, accessed through two holes in the pulley, with a 5/32" Hex/Allen wrench (Photo 5, Page 4).

Upper Pulley

The Upper Pulley is mounted on a shaft with two sealed bearings and lock rings. It is recommended that the pulley, shaft, and bearings be replaced as a unit. Loosen the two square head screws on the pulley shaft support on the tensioner (Photo 3, Page 4). Slide the shaft out toward the pulley. Lightly coat the new shaft with grease and insert the new shaft and pulley into the support with the end of the shaft protruding about 1/16" past the end of the support. (Photo 3, Page 4) Tighten the square head screws. On older machines you may need a wood or plastic hammer to tap the shaft out. Do not hit the pulley itself with anything.

Roller Platen

The Roller Platen is made as an assembly with the roller, two sealed bearings, and the shaft. It is best to measure and record the distance from the inside edge of the roller to the bracket (Photo 6, Page 4) so the new Roller Platen can be placed close to the same position. To replace the Roller Platen, remove the sanding belt, then loosen two square head set screws on the Roller Platen bracket (Photo 6, Page 4), and remove the assembly. Fit the new assembly at the same distance from the bracket as the old Platen, then tighten the two set screws. Replace the belt, turn on the machine and check that the platen and belt are running true.

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ROLLER PLATEN, UPPER PULLEY, SHAFT AND BEARINGS

For ease of maintenance and durability, the Roller Platen and Top Pulley Assemblies are supplied as one-piece assemblies. Replacing the bearings or shaft alone requires a press and an experienced operator. Because the roller platen, top crowned pulley itself, and the bearings are some of the few parts of the 2200RP that may need replacement, they are sold as unit assemblies. These assemblies can be replaced quickly with simple hand tools by following the instructions on Page 3 of this manual. Assistance with any maintenance operation on the 2200RP is available by calling the CRL/Sommer & Maca Machinery Division at (866) 583-1377. Parts can be ordered online at: crlaurence.com

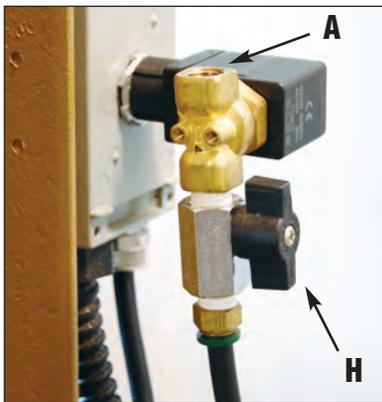


Photo 1. Electric Water Solenoid, Valve and Quick-Connect Fitting. Connect water supply at "A" -1/4" NPT. Water Flow Control Valve "H" can be used to regulate water spray.

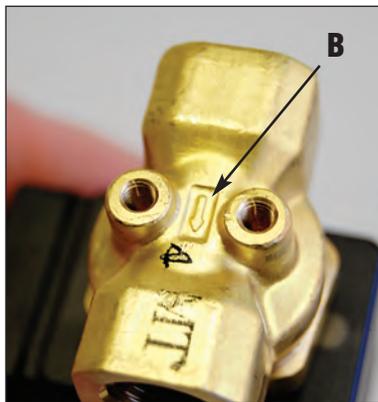


Photo 2. Electric Water Solenoid showing flow direction arrow "B" on fitting.

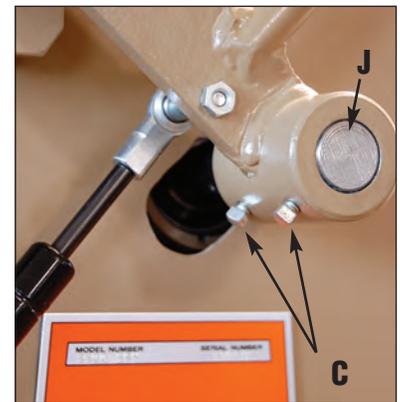


Photo 3. Square Head Screws "C" holding the Upper Pulley Shaft "J". Loosen these to remove the Upper Pulley Assembly.

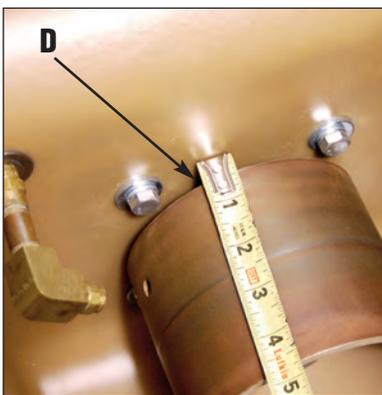


Photo 4. Measure Pulley to tank distance "D" before removing Lower Pulley.

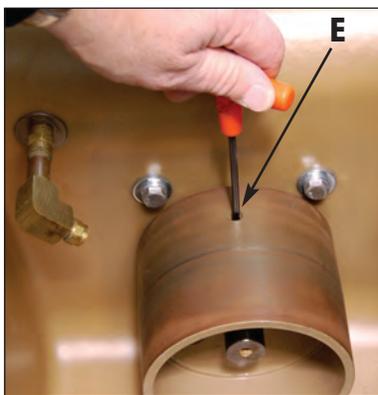


Photo 5. Loosen two set screws on the Lower Pulley with a 5/32" Hex/Allen wrench. Holes in the Pulley "E" line up with the two set screws.

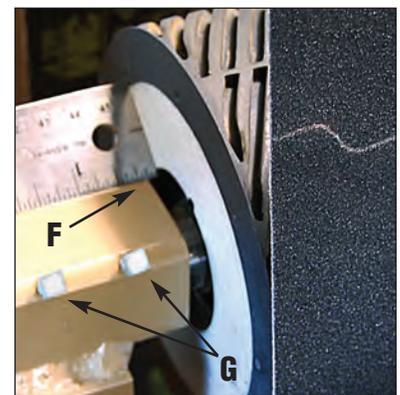
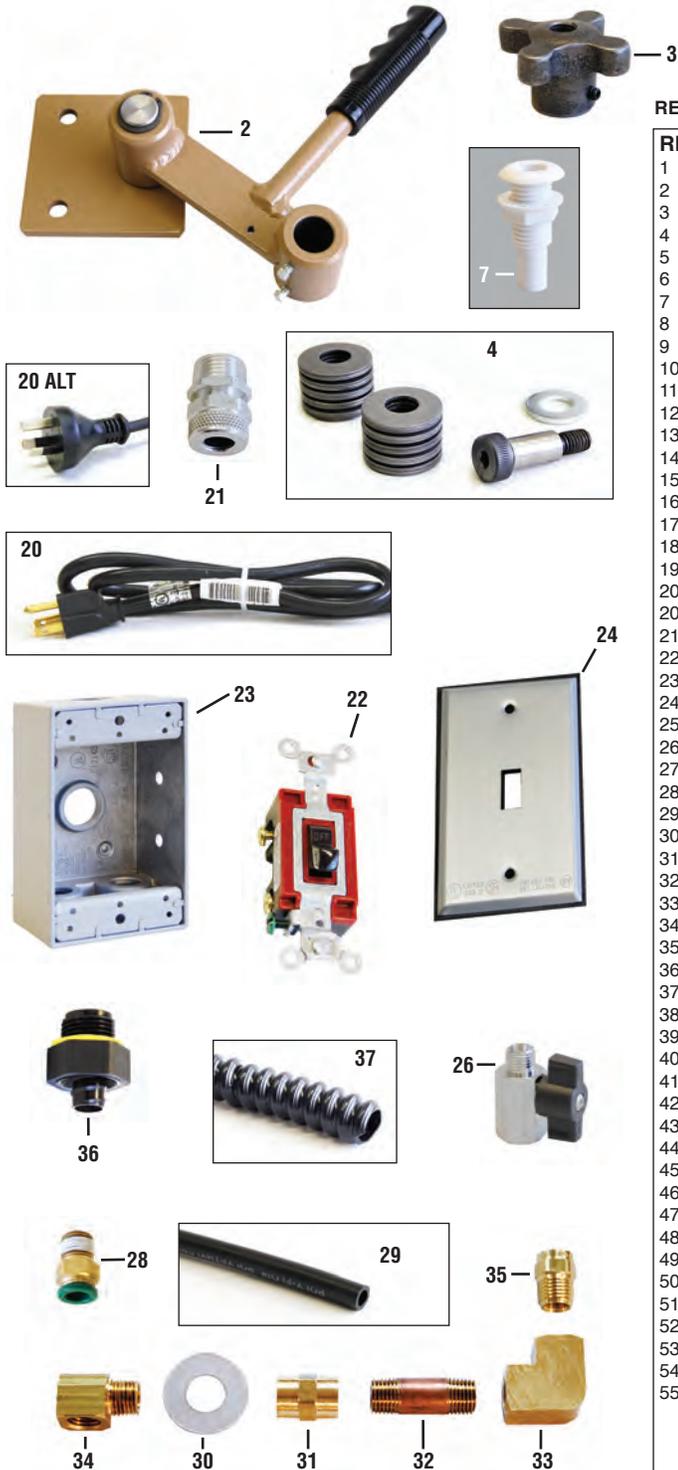


Photo 6. Measure Pulley to bracket clearance "F" before removing the Roller Platen. Loosen two Square Head screws "G" to remove the Roller Platen.

CRL/SOMACA BELT SANDER MODEL 2200RP

REPLACEMENT PARTS FOR THE 2200RP BELT SANDER



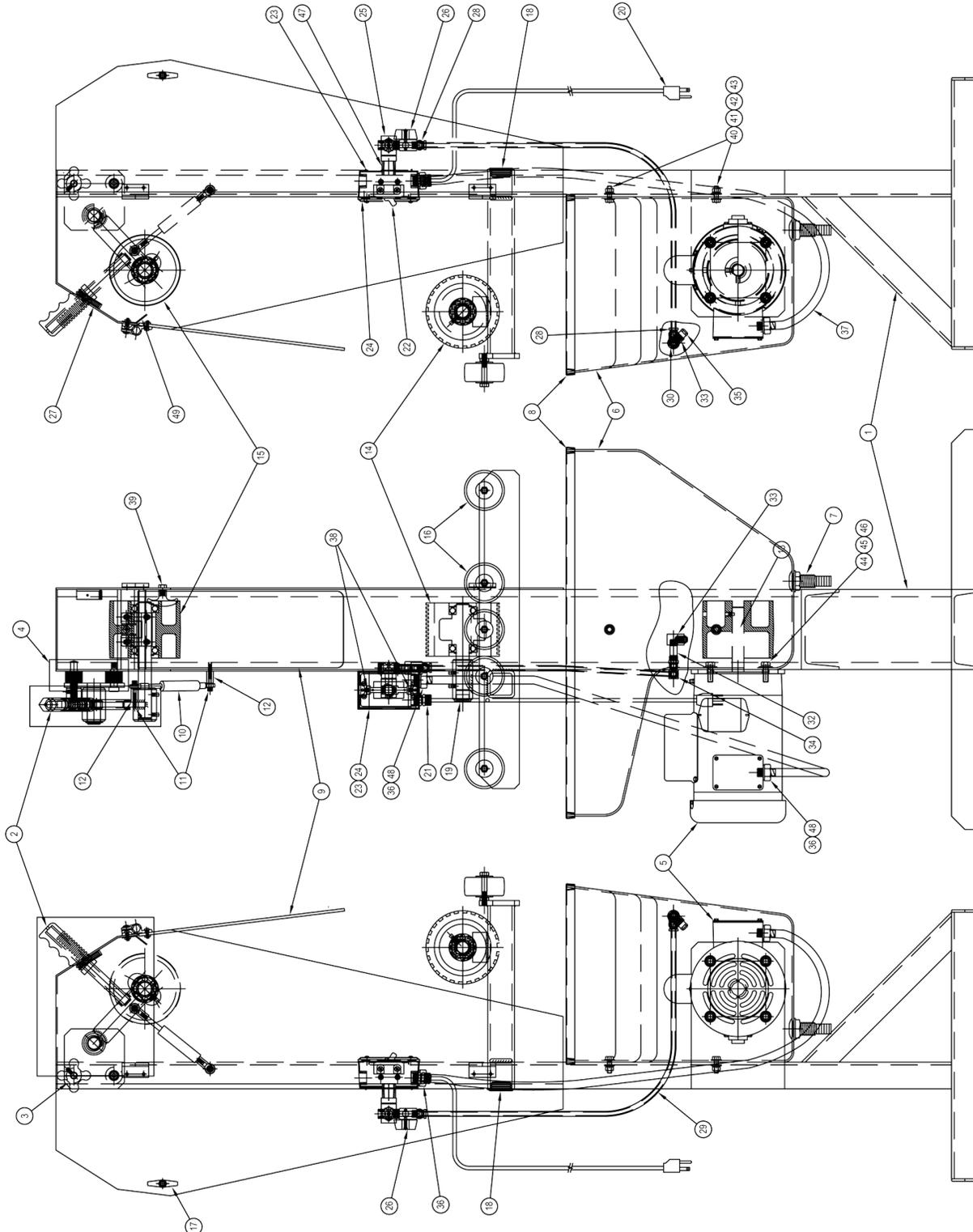
REF. NUMBERS REFER TO DRAWINGS ON PAGE 6

REF.	QUAN.	CAT. NO.	DESCRIPTION
1	1	39912400	FRAME, WELDMENT, 2200RP
2	1	330013	TENSIONER ASSEMBLY
3	1	330007	ADJUSTMENT KNOB
4	1	330014	TENSIONER MOUNTING KIT
5	1	2200110VMTR	MOTOR, 1 HP, 110/220V, 50/60 HZ, 1800 RPM
6	1	2200802	TANK, WATER BUCKET, MOLDED
7	1	2200803	TANK DRAIN FITTING
8	6 ft.	75343C	PROTECTIVE TRIM, 1/4", QUICKEDGE (1.83m)
9	1	3300SS	EYESHIELD
10	1	330012	TENSIONER, GAS CYLINDER
11	2	45025760	M6 x 45mm SOCKET HEAD CAP SCREW
12	2	46902061	SPACER, 1/2 OD x 1/4 ID x 15/16
13	1	2622028	LOWER PULLEY
14	1	330010	ROLLER PLATEN ASSEMBLY
15	1	330011	UPPER PULLEY ASSEMBLY
16	1	330015	SET, WHEELS, BOLTS AND NUTS
17	1	46104650	PHENOLIC TWO ARM THREADED KNOB
18	1	46902390	PLUG, 1-3/4" SQUARE, TUBE, POLY, BLACK
19	1	46902380	1-1/4" SQUARE CAP, SMOOTH, BLACK
20	1	11428010	CORD, PLUG SET, 8 FT. USA
20 (alt)	1	41427110	CORD, PLUG SET, 8 FT. AU
21	1	11401670	CORD GRIP FITTING
22	1	41420280	TOGGLE SWITCH
23	1	36957501	JUNCTION BOX
24	1	37028601	ELECTRICAL CONTROL BOX COVER
25	1	41900630	SOLENOID VALVE
26	1	42053492	BALL VALVE, 1/4NPT
27	1	46104660	14 LB PULL MAGNET, ADHESIVE BACKED
28	2	42101880	QUICK CONNECT FITTING, 3/8"
29	30"	49900020	TUBING, 3/8" OD x 30", BLACK (2.4m)
30	1	45113672	FLAT WASHER 1/2"
31	1	12028614	BRASS COUPLING, FULL, 1/4"
32	1	42001614	BRASS NIPPLE, 1/4" x 1-1/2
33	1	42011014	BRASS ELBOW, 1/4", 90°
34	1	12012014	BRASS STREET ELBOW, 1/4", 90°
35	1	42201953	BRASS NOZZLE
36	2	41400550	STRAIGHT CONNECTOR, 3/8", BLACK NYLON
37	2.5ft.	23600590	CONDUIT, 3/8" PVC, BLACK
38	2	45001890	ROUND HEAD SCREW, .0-24 x 5/8"
39	1	15000260	HEX HEAD CAP SCREW, 5/16"-18 x 1/2"
40	2	15000050	HEX HEAD CAP SCREW, 5/16"-18 x 1"
41	4	45113510	WASHER, 5/16"
42	2	15110360	LOCK WASHER, 5/16"
43	2	15100101	NUT, 5/16"-18
44	4	15000560	HEX HEAD CAP SCREW, 3/8"-16 x 1.25"
45	4	15113950	WASHER, 3/8"
46	4	15110371	LOCK WASHER, 3/8"
47	1	11402651	CONDUIT NIPPLE, 1/2" x 1"
48	2	11403450	CONDUIT LOCKNUT, 1/2"
49	1	39912600	OVERSPRAY GUARD
50	8	41423210	TERM FORM, 18-14 GA 10 STD INSULATED
51	13	41422540	TERM RING, 14-16 GA, 8 STD NON-INSULATED
52	2	45100053	BRASS HEX NUT, 10-24,
53	2	15018443	BRASS SCREW, RH SLOTTED, 10-24 x 1/4"
54	1	42700012	EAGLE NAMEPLATE, 4-1/2 x 5-1/2 ALUM, SOMACA
55	1	37965400	CAUTION PLATE

Minimum order for all parts is one each.

CRL/SOMACA BELT SANDER MODEL 2200RP

REPLACEMENT PARTS DIAGRAM FOR THE 2200RP BELT SANDER



CRL/SOMACA BELT SANDER

MODEL 2200RP and AU22

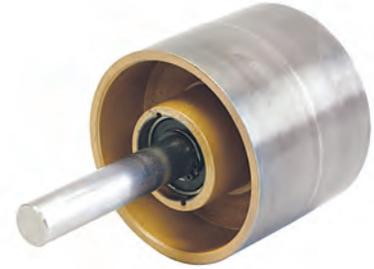
REPLACEMENT PARTS FOR THE 2200RP BELT SANDER



CAT. NO. 330010 **DESCRIPTION** Roller Platen Assembly



CAT. NO. 2622028 **DESCRIPTION** Lower Pulley



CAT. NO. 330011 **DESCRIPTION** Upper Pulley Assembly



CAT. NO. 2200110VMTR **DESCRIPTION** 1 HP Motor



CAT. NO. 330012 **DESCRIPTION** Tensioner Gas Cylinder



CAT. NO. 330015 **DESCRIPTION** Set of 5 Wheels and Bolts for Guide Bar



CAT. NO. 41900630 **DESCRIPTION** Water Solenoid Valve
42201953 **DESCRIPTION** Water Spray Nozzle

Minimum order for all parts is one each.

CRL 4" x 106" Wet or Dry Abrasive Belts



CAT. NO.	GRIT
CRL4X10636X	36X
CRL4X10640X	40X
CRL4X10650X	50X
CRL4X10660X	60X
CRL4X10680X	80X
CRL4X106100X	100X
CRL4X106120X	120X
CRL4X106150X	150X
CRL4X106180X	180X
CRL4X106220X	220X
CRL4X106320X	320X
CRL4X106400X	400X
CRL4X106600X	600X
CRL4X106CORK	POLISH

Five belts per box, except cork, which has two

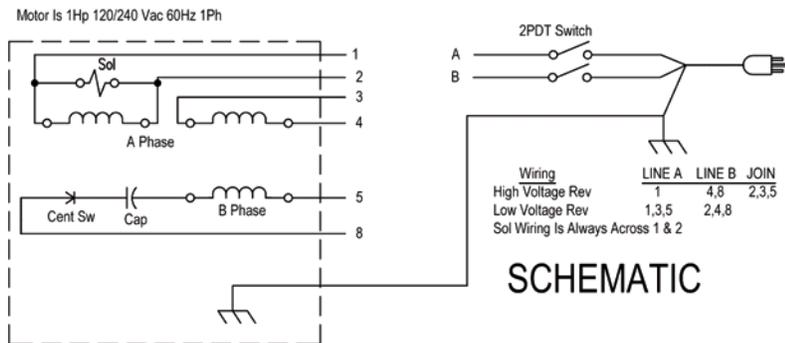
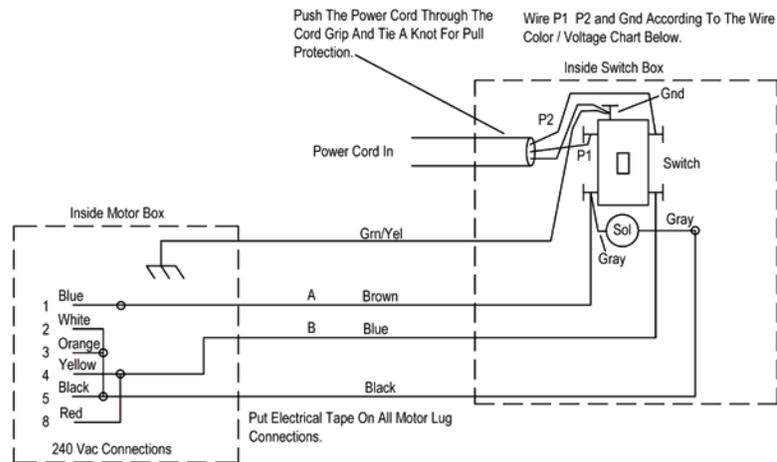
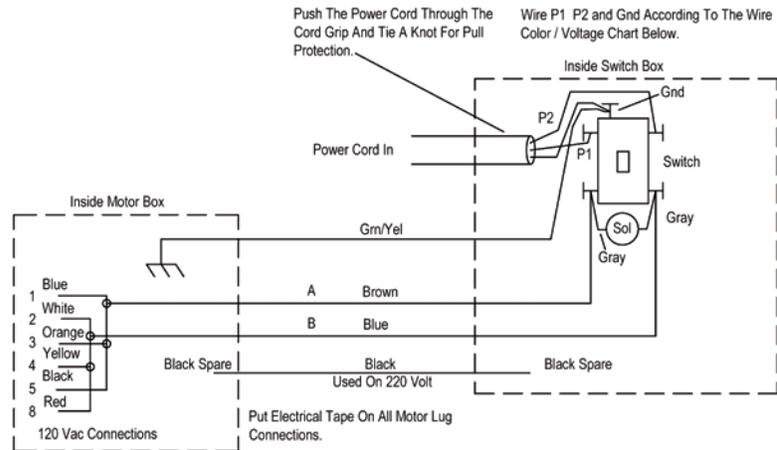
Typical Use of Different Grits Available and Results of Their Use

GRIT	TYPE	APPLICATION	EXAMPLE
60X	Extra Rough	For removing glass fast	Mitered edge
80X	Rough	For quick contouring	Auto glass edge
120X	Smooth	For seaming and polishing	Desk top edge
220X	Extra Smooth	For fine frosted finish	Step used before 400X belt
400X	Fine	For satin finish	Finest opaque edge

CRL/SOMACA BELT SANDER

MODEL 2200RP and AU22

WIRING LAYOUT



CRL/SOMACA BELT SANDER MODEL 2200RP and AU22

ACCESSORIES FOR CRL/SOMACA 2200RP BELT SANDER



Legs Adjust to Fit Any Belt Machine



CRL Universal "One-Man" Movable Glass Table

- Makes it Possible for One Person to Sand Large Pieces of Glass
- Fits Any Make Upright Belt Sander (Table Shown in Front of 2200RP Sander)

One person can sand large pieces of glass without having to support the weight of the glass by using this CRL Universal "One-Man" Movable Glass Table. It rolls on a support rail in front of the sander, so the operator controls the amount of pressure the glass applies against the belt. The table top is carpeted, and has four pop-up ball casters, allowing easy glass rotation. All sides can then be sanded without having to lift the glass. The legs are adjustable to allow use with any upright belt sander. Table Guide Rail is 156" (3.96 m) long; Table Top is 36" x 60" (914 x 1524 mm). Minimum order is one each.

CAT. NO. 3LRT

CRL Belt Guard Safety Shields



CAT. NO. 2200SS



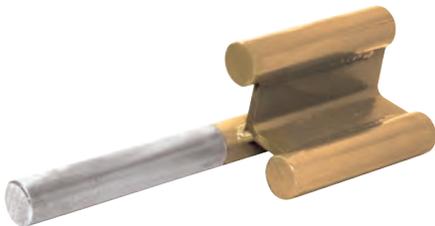
CAT. NO. 3300SS

CRL Belt Guard Safety Shields for the 2200RP Upright Belt Sanders protect your face and eyes from flying debris, giving you an added degree of safety. The 2200SS is standard equipment on early 2200RP Sanders up to Serial Number 67982. It can also be retro-fitted on older 2200RP Sanders. The 3300SS is standard on the 2200RP machines starting with Serial Number 67983. This is a safety attachment no shop should be without. Minimum order is one each.

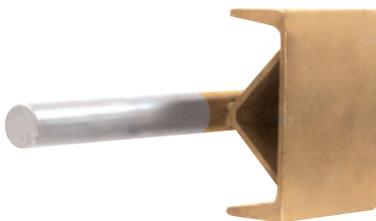
CAT. NO. 2200SS Fits 2200RP Machines up to serial no. 67982

CAT. NO. 3300SS Fits 2200RP Machines starting with serial no. 67983

CRL Platens



CAT. NO. BP2001



CAT. NO. FP2002

CRL Platens that fit on the 2200RP can be inserted into the platen mount and tightened just like the Roller Platen. The BP2001 Bar Platen will produce a slightly rounded edge. The FP2002 Flat Platen will work best when flat edges are desired.

Minimum order is one each.

CAT. NO. BP2001 Bar Platen

CAT. NO. FP2002 Flat Platen

CRL/SOMACA BELT SANDER

MODEL 2200RP and AU22

TROUBLESHOOTING CHART

TROUBLE	PROBABLE CAUSE	REMEDY
1. Won't Start With Switch On	Power Failure	<ul style="list-style-type: none"> a. Check your electric power source. b. Check power to switch on machine. c. Check power at motor d. Check starting capacitor on motor.
2. Water Does Not Flow	Electric Solenoid Failure	<ul style="list-style-type: none"> a. Flip switch on Belt Sander on and off, while holding hand on solenoid. If "snap" is felt, go to step 3. If not, check steps 1a, b, c.
3. Water Does Not Flow	Water Restriction	<ul style="list-style-type: none"> a. Ensure source water is on. b. Ensure manual water valve is open. c. Remove and clean nozzle.
4. Belt Does Not Track	Out of Adjustment	<ul style="list-style-type: none"> a. Adjust according to operating instruction manual. b. If it still does not adjust, replace crowned pulleys/assemblies with Cat. Nos. 330011 Upper and Cat. No. 2622028 Lower
5. Vibration or Noise	Bad Bearing	<ul style="list-style-type: none"> a. Check by feeling roller platen shaft and top pulley shafts for vibration from bearing problem. Replace Top Pulley Assembly or Roller Platen Assembly. b. Feel motor while running with and without belt. If vibrating, replace motor per operating instructions.
6. Guide Rollers Won't turn	Frozen Sleeve Bearings.	<ul style="list-style-type: none"> a. Replace rollers and bolts. b. Lubricate rollers and bolts.

SOMMER & MACA GLASS MACHINERY COMPANY A DIVISION OF C.R. LAURENCE

SOMMER & MACA
GLASS MACHINERY DIVISION

- All Machines Shown are Available for Shipment Worldwide



VE1P
One-Spindle Glass Edger



BM64B
64" Upright Belt Sander



CRL2
Glass Drilling Machine



DBS106
Dry 106" Twin Belt Seamer

DBS106W
Wet 106" Twin Belt Seamer



2402502
Tilt-Top Cutting Table



VEW60
60" Vertical Glass Washer



GM24 / SM24
Glass Grinding / Smoothing Mills



TD25
Vertical Glass Drilling Machine



SM37
Glass Polisher and Scratch Remover



FG14BM
Finger Pull Machine



VE2PLUS2
Two-Spindle Glass Edger



TTW606
Glass Washing Machine

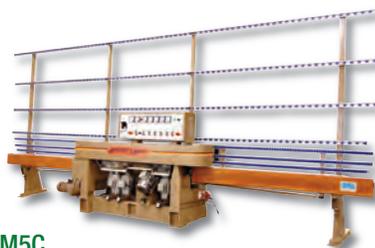
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CRL/SOMACA BELT SANDER MODEL 2200RP and AU22

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ANY DISPUTE BETWEEN THE CUSTOMER AND SELLER SHALL BE SETTLED BY ARBITRATION BETWEEN THE PARTIES, UNDER THE RULES OF THE AMERICAN ARBITRATION ASSOCIATION, CHICAGO, IL. SUCH ARBITRATION SHALL TAKE PLACE IN CHICAGO, IL, USA WITHIN 90 DAYS AFTER A REQUEST FOR ARBITRATION HAS BEEN FILED BY ONE OF THE PARTIES. BOTH PARTIES IRREVOCABLY CONSENT TO JURISDICTION IN COOK COUNTY, ILLINOIS.

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ALL CONTRACT AND OTHER CLAIMS (WHETHER BASED ON CONTRACT, TORT, EQUITY, TREATY, OR CODE) WITH RESPECT TO THE PRODUCTS SOLD AND ALL CLAIMS WITH RESPECT TO THE OPERATION AND USE OF THE PRODUCTS SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF ILLINOIS, USA. THE SALES CONTRACT SHALL NOT BE GOVERNED BY THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALES OF GOODS.

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IF ANY PROVISIONS OF THESE TERMS AND CONDITIONS ARE HELD TO BE INVALID, ILLEGAL OR UNENFORCEABLE, THE REMAINING PROVISIONS OF THESE TERMS AND CONDITIONS SHALL NOT IN ANY WAY BE AFFECTED OR IMPAIRED THEREBY.

C.R. Laurence Co., Inc.

Glass Machinery Division
5501 West Ogden Avenue, Cicero, IL 60804, U.S.A.

Important Information

Date of Delivery _____

Serial Number _____

Model Number _____

Serial Number

Model Number



SM2200_12/10

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